

DERWENT-ACC-NO: 1994-310954
DERWENT-WEEK: 199439
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TITLE: Conversion of carbon monoxide to dioxide - using a
carbonaceous
adsorbent contg metal oxide /

INVENTOR: BRENDLEY, W H; DRAGO, R S

PATENT-ASSIGNEE: BRENDLEY W H[BRENI], ROHM & HAAS CO[ROHM]

PRIORITY-DATA: 1993US-0017710 (February 16, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
CA 2115008 A	August 17, 1994	N/A
017	C01B 031/20	
JP 07002509 A	January 6, 1995	N/A
007	C01B 031/20	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
CA 2115008A	N/A	1994CA-2115008
February 4, 1994		
JP 07002509A	N/A	1994JP-0040611
February 16, 1994		

INT-CL (IPC): B01D053/86; B01D053/94 ; B01J021/18 ;
B01J023/26 ;
B01J023/72 ; B01J023/84 ; B01J023/889 ; B01J031/08 ;
C01B031/20

ABSTRACTED-PUB-NO: CA 2115008A

BASIC-ABSTRACT: CO is converted to CO₂ by contacting at
100-290 deg.C with a
porous carbonaceous adsorbent with micropores contg. an oxide
of Sc, Ti, V, Cr,
Mn, Fe, Co, Ni, Ce and/or Cu. Conversion is in the absence
of a heavy metal
cocatalyst with 4 or 5d electron shells.

USE/ADVANTAGE - CO₂ prodn. from CO. Conversion is low temp.

Use of expensive
heavy metal cocatalyst is avoided.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CONVERT CARBON CARBONACEOUS ADSORB CONTAIN METAL OXIDE

DERWENT-CLASS: E36 J01

CPI-CODES: E31-N05C; J01-E02B; N02; N03;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

C106 C108 C530 C730 C800 C801 C802 C803 C805 C807

M411 M720 M903 M904 M910 N441 N513 N514

Specific Compounds

01066P

Registry Numbers

1066P

Chemical Indexing M3 *02*

Fragmentation Code

A421 A422 A423 A424 A425 A426 A427 A428 A429 A758

A940 C108 C550 C730 M411 M730 M903 Q421

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1066P; 1423S

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-141347